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HRS

	S	S^2
Groundwater Route Score (S_{gw})	24.49	599.76
Surface Water Route Score (S_{sw})	10.91	119.03
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		718.79
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		26.81
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		15.50

WORKSHEET FOR COMPUTING S_M

PRO

	S	S^2
Groundwater Route Score (S_{gw})	28.57	816.24
Surface Water Route Score (S_{sw})	10.91	119.03
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		935.27
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		30.58
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		17.68

WORKSHEET FOR COMPUTING S_M

O = HRS
□ = PRO

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Ground Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multi-plier	HRS	Max. Score	PRO
1 Observed Release	0 (45)	1	45	45	45
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2 Route Characteristics					
Depth to Aquifer of Concern	0 1 2 (3)	2	6	6	6
Net Precipitation	0 1 (2) 3	1	2	3	2
Permeability of the Unsaturated Zone	0 1 (2) 3	1	2	3	2
Physical State	0 1 2 (3)	1	3	3	3
Total Route Characteristics Score			13	15	13
3 Containment	0 1 2 (3)	1	3	3	3
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 (18)	1	18	18	18
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 (8)	1	8	8	8
Total Waste Characteristics Score			26	26	26
5 Targets					
Ground Water Use	0 1 (2) 3	3	6	9	6
Distance to Nearest Well/Population Served	0 4 (6) [8] 10 / 12 16 18 20 / 24 30 32 35 40	1	6	40	8
Total Targets Score			12	49	14
6 If line 1 is 45, multiply 1 x 4 x 5			14,040	57,330	16,380
If line 1 is 0, multiply 2 x 3 x 4 x 5					
7 Divide line 6 by 57,330 and multiply by 100		S_{gw} = 24.49			28.57

O = HRS
□ = PRO

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Surface Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	0 (45)	1	45	45	45
If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.					
2 Route Characteristics					
Facility Slope and Intervening Terrain	0 1 (2) 3	1	2	3	2
1-yr. 24-hr. Rainfall	0 1 (2) 3	1	2	3	2
Distance to Nearest Surface Water	0 1 2 (3)	2	6	6	6
Physical State	0 1 2 (3)	1	3	3	3
Total Route Characteristics Score			13	15	13
3 Containment	0 1 2 (3)	1	3	3	3
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 (18)	1	18	18	18
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 (8)	1	8	8	8
Total Waste Characteristics Score			26	28	26
5 Targets					
Surface Water Use	0 1 (2) 3	3	6	9	6
Distance to a Sensitive Environment	(0) 1 2 3	2	0	6	0
Population Served/Distance to Water Intake Downstream	(0) 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40	0
Total Targets Score			6	55	6
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			7,020	64,350	7,020
7 Divide line 6 by 64,350 and multiply by 100		S_{sw} =	10.91		10.91

0 = HRS
□ = PRO

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Air Route Work Sheet						
Rating Factor	Assigned Value (Circle One)		Multi-plier	HRS	Max. Score	PRO
1 Observed Release	(0)	45	1	0	45	0
Date and Location:						
Sampling Protocol:						
If line 1 is 0, the S_a = 0. Enter on line 5 If line 1 is 45, then proceed to line 2						
2 Waste Characteristics						
Reactivity and Incompatibility	0 1 2 3		1		3	
Toxicity	0 1 2 3		3		9	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8		1		8	
	Total Waste Characteristics Score				20	
3 Targets						
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30		1		30	
Distance to Sensitive Environment	0 1 2 3		2		6	
Land Use	0 1 2 3		1		3	
	Total Targets Score				39	
4 Multiply 1 x 2 x 3					35,100	
5 Divide line 4 by 35,100 and multiply by 100			S_a =	0		0